

## Data Report - Level 1.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR Services Corporation

Parameter: Carbon Monoxide (CO)

Units: Parts per Million (PPM)

Month: September

Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min	
1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.5	0.4	0.4	0.4	0.3	0.3	0.2	0.1	0.1	0.2	0.5	0.1	
2	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.5	0.0		
3	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.1		
4	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.0		
5	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	ZS	0.2	0.2	0.3	0.3	0.4	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.4	0.1	
6	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.3	0.3	0.3	0.4	0.5	IM	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.5	
7	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.5	0.4	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.2	0.5	0.0	
8	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.0	
9	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.1	0.3	0.0	
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.3	0.0	
11	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.4	ZS	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.4	0.1	
12	0.2	0.2	0.2	0.2	0.2	0.2	0.2	IM	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.4	0.4	0.3	0.3	0.6	CA	CA	CA	CA	0.3	0.6	0.2	
13	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.5	0.2	
14	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.6	0.3	
15	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	CA	CA	CA	CA	0.3	0.2	0.5	0.2
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	CA	CA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	
17	CA	CA	CA	CA	CA	0.3	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	
18	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.5	0.2	
19	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.5	0.3	0.4	0.5	0.5	0.5	0.7	0.6	0.5	0.4	0.4	0.5	0.5	0.6	0.5	0.3	0.3	0.4	0.7	0.3	
20	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.5	0.7	0.7	0.7	0.7	0.7	0.3	0.3	0.5	0.5	0.4	0.7	0.2	
21	0.5	0.6	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.6	0.4	0.4	0.4	0.4	0.5	0.6	0.6	0.7	0.5	0.7	0.4		
22	0.6	0.4	0.4	0.4	0.3	0.4	ZS	0.4	0.5	0.5	0.5	0.5	0.6	0.7	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.5	0.7	0.3	
23	0.3	0.3	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.1	
24	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.4	0.6	0.4	0.3	0.6	0.1	
25	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.1	
26	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.4	0.5	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.5	0.1		
27	0.1	0.1	0.1	0.1	IM	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.1	
28	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.5	0.3	0.3	0.5	0.6	0.6	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.6	0.7	0.6	0.4	0.7	0.1	
29	0.4	0.3	0.3	0.3	0.3	0.2	0.3	0.6	0.6	0.6	0.7	0.9	1.0	0.6	0.5	0.4	0.3	0.4	0.5	CA	CA	CA	CA	0.5	1.0	0.2		
30	CA	0.6	0.6	0.5	0.5	0.5	0.7	0.9	1.0	1.1	1.0	1.1	1.1	0.9	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.5	
Average	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
Maximum	0.6	0.6	0.6	0.6	0.5	0.5	0.6	0.7	0.9	1.0	1.1	1.0	1.1	1.1	0.9	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	
Minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

Quality Control Codes

Auto Zero, Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

## Data Report - Level 1.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR Services Corporation

Parameter: Oxides of Nitrogen (NOx)

Units: Parts per Billion (PPB)

Month: September

Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min	
1	7.7	14.9	17.7	15.3	15.9	14.3	15.0	19.2	14.5	11.7	11.3	6.9	6.7	18.1	26.6	31.7	30.3	28.1	24.8	21.3	17.0	7.2	4.6	1.5	15.9	31.7	1.5	
2	6.7	7.5	10.5	11.0	7.0	4.8	7.9	11.0	8.7	7.3	4.7	2.8	5.9	8.9	13.0	31.9	27.2	17.7	19.1	17.8	25.7	23.6	26.5	14.4	13.4	31.9	2.8	
3	10.2	11.1	7.7	7.3	12.3	11.6	13.3	14.1	15.8	14.1	14.8	26.4	21.0	10.4	8.9	7.5	7.7	7.5	6.3	2.8	4.6	6.9	6.8	6.5	10.6	26.4	2.8	
4	4.4	5.8	3.7	2.5	2.7	2.6	2.5	2.4	2.3	2.2	2.0	1.9	2.9	8.4	6.0	4.9	4.7	8.2	8.6	9.2	12.5	13.0	9.6	16.5	5.8	16.5	1.9	
5	17.1	8.9	8.4	7.7	3.7	3.6	3.5	1.5	8.2	ZS	15.0	9.5	10.4	13.9	16.5	13.3	9.1	6.6	5.0	9.4	9.5	7.3	13.0	10.6	9.2	17.1	1.5	
6	7.2	14.3	6.7	10.7	11.9	14.0	4.8	36.5	18.7	22.7	15.2	13.8	19.8	36.2	IM	20.0	13.1	6.7	6.4	6.2	9.1	1.9	3.3	4.7	13.2	36.5	1.9	
7	6.3	9.0	5.7	4.3	2.6	3.6	5.5	7.5	8.3	7.2	5.3	5.4	3.4	3.4	20.9	18.0	13.6	12.4	10.1	10.8	7.0	2.4	1.3	1.0	7.3	20.9	1.0	
8	1.3	1.6	1.9	2.1	2.4	2.7	3.1	3.8	3.3	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.3	0.9	2.2	2.9	2.2	3.8	0.9	
9	0.5	3.5	1.2	1.1	1.0	0.9	1.1	1.6	2.0	1.9	1.8	0.5	3.1	3.5	3.3	6.1	8.2	8.2	9.4	9.6	7.6	5.0	5.3	4.1	3.8	9.6	0.5	
10	3.5	3.3	2.2	2.8	2.7	3.5	3.6	4.0	2.8	1.6	1.9	2.1	2.6	6.0	3.2	3.9	4.0	3.1	4.3	4.6	5.4	5.3	8.3	8.6	3.9	8.6	1.6	
11	5.2	4.6	3.7	1.9	3.3	1.7	2.4	3.0	1.5	1.5	1.1	1.9	2.6	2.4	ZS	3.1	2.0	2.3	2.4	2.8	6.6	8.9	5.8	6.4	3.3	8.9	1.1	
12	6.4	5.1	6.0	6.6	4.8	4.9	5.3	IM	8.7	5.6	1.6	3.9	11.0	21.5	11.4	10.2	9.4	9.6	9.3	9.2	CA	CA	CA	7.9	21.5	1.6		
13	8.8	10.5	8.9	8.4	7.5	10.2	9.1	9.5	16.5	15.6	15.5	16.9	16.4	14.1	22.0	22.0	16.9	14.8	12.9	11.9	10.7	10.8	12.1	11.9	13.1	22.0	7.5	
14	8.9	9.8	7.4	8.0	6.0	6.1	9.1	7.1	7.9	7.3	6.5	5.2	6.9	12.7	25.0	18.2	14.1	14.2	13.3	12.9	14.2	12.8	10.1	8.0	10.5	25.0	5.2	
15	6.6	6.5	5.1	3.7	5.4	5.8	7.0	9.5	11.7	15.2	16.3	15.8	19.4	24.8	19.9	18.0	15.9	16.6	17.9	17.1	CA	CA	7.6	6.0	12.4	24.8	3.7	
16	4.8	2.5	3.2	2.1	2.0	1.8	3.3	3.9	3.5	2.9	2.6	2.4	2.0	1.7	4.3	CA	CA	5.2	3.7	1.8	1.7	2.3	1.4	CA	2.8	5.2	1.4	
17	CA	CA	CA	CA	CA	10.7	17.5	16.8	12.6	18.3	13.3	5.3	5.8	4.0	4.9	5.2	5.5	7.1	8.1	9.8	11.1	10.9	11.2	13.6	10.1	18.3	4.0	
18	13.2	13.9	11.4	11.1	8.8	6.3	6.4	8.3	9.4	6.8	6.6	6.8	7.0	7.2	6.2	6.0	5.9	5.0	4.1	5.1	5.2	5.4	5.5	5.5	7.4	13.9	4.1	
19	3.6	3.1	5.4	9.7	5.6	12.1	58.4	39.0	16.7	12.8	15.8	21.3	33.4	22.1	11.3	18.3	11.3	15.4	18.7	23.3	17.7	7.9	4.5	3.5	16.3	58.4	3.1	
20	2.7	3.4	3.7	4.3	4.9	5.4	6.0	5.4	6.9	13.6	3.9	4.0	4.2	19.7	33.0	52.1	57.9	47.3	47.4	46.4	19.6	21.1	20.1	25.4	19.1	57.9	2.7	
21	33.9	34.0	29.1	33.2	31.1	35.7	32.9	22.7	20.5	22.2	22.4	24.0	27.5	41.6	30.4	13.4	5.9	7.3	12.6	15.3	30.4	30.8	27.5	32.8	31.7	25.8	41.6	5.9
22	30.1	12.4	13.3	6.1	9.6	8.1	ZS	39.0	35.7	32.4	23.8	26.3	29.9	38.4	48.0	30.6	25.9	25.6	26.9	24.6	16.6	9.8	6.4	5.2	22.8	48.0	5.2	
23	3.3	4.5	3.7	1.7	3.0	4.3	5.8	5.2	5.0	4.9	5.1	5.2	5.3	7.5	6.8	6.0	5.2	4.3	3.7	2.8	28.0	2.6	2.7	2.8	5.4	28.0	1.7	
24	2.9	2.6	2.7	2.7	2.7	2.8	2.6	2.7	2.5	2.5	3.4	4.3	5.5	6.7	7.3	8.2	9.0	9.5	10.1	16.9	21.5	25.0	13.7	7.1	25.0	2.5		
25	11.7	21.7	16.3	17.6	11.8	13.2	16.0	16.7	13.5	12.2	13.0	11.1	12.3	14.4	13.4	13.2	13.0	14.0	19.8	22.8	13.9	14.5	14.5	16.9	14.9	22.8	11.1	
26	14.8	16.8	13.9	13.1	13.8	21.7	26.6	33.5	30.3	21.0	15.0	14.7	18.5	31.4	22.4	4.5	14.2	14.0	10.0	3.9	0.0	7.9	9.6	6.5	15.8	33.5	0.0	
27	6.4	5.6	2.4	0.6	IM	0.0	2.3	5.7	12.8	13.2	16.6	17.7	23.4	19.0	14.6	10.0	7.4	0.8	5.6	11.1	7.1	3.4	9.6	7.5	8.8	23.4	0.0	
28	1.2	2.1	4.4	0.3	2.1	5.4	23.1	50.4	38.6	30.6	43.8	40.8	49.6	39.4	26.7	25.1	23.7	24.6	25.9	33.4	43.3	62.5	73.1	56.9	30.3	73.1	0.3	
29	32.5	21.7	20.4	18.0	18.2	12.0	22.3	56.9	45.0	53.7	42.0	56.4	76.7	37.4	25.5	21.6	17.4	14.0	23.0	CA	CA	CA	CA	32.4	76.7	12.0		
30	CA	23.4	14.2	14.1	11.7	12.0	18.7	41.3	62.7	55.6	56.1	47.0	51.8	50.7	45.6	24.0	13.0	15.7	26.4	17.4	18.1	27.8	24.9	27.4	30.4	62.7	11.7	
Average	9.4	9.8	8.3	7.9	7.7	8.1	11.6	16.5	14.9	14.5	13.3	13.4	16.2	17.6	17.1	15.4	13.6	12.2	13.2	12.9	13.4	12.3	12.8	11.8				
Maximum	33.9	34.0	29.1	33.2	31.1	35.7	58.4	56.9	62.7	55.6	56.1	56.4	76.7	50.7	48.0	52.1	57.9	47.3	47.4	46.4	43.3	62.5	73.1	56.9				
Minimum	0.5	1.6	1.2	0.3	1.0	0.0	1.1	1.5	1.5	1.5	1.1	0.5	2.0	1.7	2.1	2.0	1.9	0.8	1.7	1.6	0.0	0.9	1.3	1.0				

Quality Control Codes

Auto Zero, Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

## Data Report - Level 1.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR Services Corporation

Parameter: Nitrous Oxide (NO)

Units: Parts per Billion (PPB)

Month: September

Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min	
1	1.3	0.7	1.1	0.6	0.7	1.4	0.3	1.5	1.9	3.5	1.8	2.3	0.7	1.6	2.0	3.0	2.8	1.9	1.6	0.6	1.2	0.4	1.0	0.5	1.4	3.5	0.3	
2	0.6	1.1	0.7	0.9	0.8	1.1	1.2	1.2	1.7	2.0	2.8	1.2	1.6	0.9	1.1	3.1	2.5	1.1	1.4	2.4	0.4	0.9	0.8	1.7	1.4	3.1	0.4	
3	1.3	1.4	0.3	0.1	0.7	0.5	1.8	3.2	5.5	4.2	3.6	8.2	4.6	2.3	2.6	1.6	1.4	1.6	1.0	1.4	1.1	0.7	0.5	0.8	2.1	8.2	0.1	
4	0.2	0.9	0.1	0.0	0.0	0.7	0.7	0.3	1.2	1.3	0.7	1.2	1.3	0.9	1.4	2.1	1.0	0.8	0.5	0.6	0.5	0.7	0.3	1.3	0.8	2.1	0.0	
5	1.1	0.3	0.7	0.6	1.2	0.7	0.6	0.9	1.9	ZS	1.8	1.0	0.9	1.3	1.9	1.4	0.8	0.4	0.4	1.7	1.2	0.3	1.1	0.7	1.0	1.9	0.3	
6	1.2	1.1	0.5	0.6	1.3	2.2	3.4	15.6	9.3	4.5	2.6	1.9	2.5	5.5	IM	2.6	2.7	2.1	2.4	1.1	0.8	0.4	1.3	0.7	2.9	15.6	0.4	
7	0.6	0.6	0.5	1.2	0.6	1.0	0.2	1.5	1.7	2.4	2.5	2.5	2.0	1.4	4.4	2.7	2.7	2.7	1.4	0.7	0.8	1.0	0.7	0.3	1.5	4.4	0.2	
8	1.0	0.0	0.0	0.2	1.0	0.0	0.9	1.3	0.4	1.1	1.2	1.1	1.1	0.2	0.9	0.4	0.5	0.6	0.7	0.0	0.6	0.0	0.4	1.4	0.6	1.4	0.0	
9	0.3	0.5	0.6	1.0	0.8	0.5	0.5	0.4	1.1	0.4	1.1	0.6	1.8	0.8	1.3	1.8	2.0	1.6	1.0	0.7	0.0	0.0	0.7	0.3	0.8	2.0	0.0	
10	1.3	1.0	0.0	0.1	0.8	1.0	1.2	0.4	1.3	0.7	0.3	1.4	1.0	1.9	0.9	0.7	0.6	1.3	0.8	0.3	0.3	0.6	0.5	0.3	0.8	1.9	0.0	
11	0.4	0.5	0.8	0.0	1.4	0.6	1.3	0.5	0.8	1.4	0.8	1.1	0.6	1.1	ZS	1.6	0.5	0.8	0.6	1.3	0.5	0.4	0.3	0.0	0.8	1.6	0.0	
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	IM	0.7	0.0	0.0	0.0	1.7	5.5	0.9	1.2	0.4	0.3	0.0	0.0	CA	CA	CA	0.6	5.5	0.0		
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.4	1.7	2.3	2.2	2.6	1.5	2.3	2.2	2.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.6	0.0	
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.1	0.1	0.7	4.5	2.1	0.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	4.5	0.0	
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	2.6	2.7	3.2	4.4	5.0	3.7	3.0	2.8	1.4	0.8	0.0	CA	CA	0.2	0.0	1.4	5.0	0.0	
16	1.4	0.8	0.3	0.6	0.9	1.0	1.3	0.6	1.1	1.8	1.4	0.8	1.6	1.1	2.1	CA	CA	1.7	0.8	1.2	1.0	0.9	0.2	CA	1.1	2.1	0.2	
17	CA	CA	CA	CA	CA	3.8	5.8	6.3	6.2	7.9	6.8	4.2	4.9	3.9	4.1	4.2	4.3	4.8	4.5	4.1	3.3	3.0	3.3	4.6	4.7	7.9	3.0	
18	2.6	2.7	3.4	2.6	3.3	3.6	4.0	3.9	5.3	4.2	3.9	4.2	5.3	4.8	4.3	3.3	3.1	3.9	3.6	2.8	3.8	2.6	3.3	3.7	3.7	5.3	2.6	
19	2.9	2.8	3.2	3.5	3.6	6.4	36.6	22.4	6.9	4.3	5.4	7.0	8.8	6.0	4.9	5.0	4.1	3.8	3.4	3.3	2.1	3.3	3.0	2.9	6.5	36.6	2.1	
20	2.6	3.3	2.1	2.2	2.5	1.9	2.3	2.5	4.5	4.6	3.2	2.5	2.2	3.0	4.9	9.3	11.0	7.3	6.7	5.7	2.9	2.2	2.2	4.7	4.0	11.0	1.9	
21	8.4	9.9	6.6	3.6	3.3	3.9	4.5	5.3	5.2	7.5	7.2	6.5	6.7	8.0	7.1	2.9	2.0	2.7	1.9	1.6	3.6	3.9	4.1	3.6	5.0	9.9	1.6	
22	3.2	2.2	1.2	1.1	3.7	2.9	ZS	15.6	11.5	12.1	8.4	6.8	6.5	7.3	10.5	6.0	4.5	3.2	2.2	1.1	1.5	1.7	1.5	1.0	5.0	15.6	1.0	
23	0.0	1.0	1.0	1.4	0.6	1.8	2.2	2.7	2.7	2.3	2.4	2.4	2.8	4.1	2.0	1.7	1.3	1.7	1.4	0.0	1.1	1.0	1.7	0.5	1.7	4.1	0.0	
24	0.0	0.3	0.5	0.0	1.0	0.0	0.8	1.3	1.2	2.2	2.4	2.4	2.2	1.1	0.5	0.5	0.2	0.6	0.0	0.4	0.1	0.4	2.0	0.8	0.9	2.4	0.0	
25	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.7	0.2	0.0	0.5	0.0	0.5	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.7	0.0		
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	3.6	1.4	0.0	0.0	0.7	1.8	1.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.6	4.1	0.0		
27	0.0	0.0	0.0	0.0	0.0	IM	0.0	0.0	0.0	1.1	1.1	1.6	1.7	1.8	1.4	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.8	0.0		
28	0.0	0.0	0.0	0.0	0.0	0.0	1.0	15.4	6.0	3.0	6.7	3.5	5.5	2.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	11.1	17.4	10.6		
29	1.8	0.0	0.0	0.0	0.0	1.5	21.8	13.0	17.5	11.4	11.8	17.7	4.2	0.8	0.2	0.0	0.0	0.0	CA	CA	CA	CA	5.4	21.8	0.0			
30	CA	1.8	0.7	0.9	0.1	0.6	0.2	10.6	15.4	13.2	11.7	7.0	6.7	6.6	4.5	1.9	1.7	1.0	0.9	0.8	1.6	1.5	1.9	1.3	4.0	15.4	0.1	
Average	1.2	1.1	0.8	0.7	1.0	1.2	2.5	4.8	3.8	3.8	3.3	3.0	3.3	2.9	2.8	2.3	2.0	1.6	1.3	1.1	1.1	1.4	1.7	1.5				
Maximum	8.4	9.9	6.6	3.6	3.7	6.4	36.6	22.4	15.4	17.5	11.7	11.8	17.7	8.0	10.5	9.3	11.0	7.3	6.7	5.7	3.8	11.1	17.4	10.6				
Minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

Quality Control Codes

Auto Zero, Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

## Data Report - Level 1.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR Services Corporation

Parameter: Nitrogen Dioxide (NO2)

Units: Parts per Billion (PPB)

Month: September

Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min
1	6.4	14.2	16.7	14.7	15.2	13.0	14.6	17.7	12.5	8.2	9.6	4.5	5.9	16.4	24.5	28.7	27.5	26.2	23.2	20.7	15.8	6.8	3.6	1.0	14.5	28.7	1.0
2	6.1	6.4	9.8	10.2	6.2	3.8	6.7	9.8	7.1	5.3	1.9	1.5	4.3	8.0	11.9	28.7	24.7	16.6	17.7	15.4	25.3	22.7	25.8	12.8	12.0	28.7	1.5
3	8.8	9.7	7.4	7.2	11.6	11.2	11.5	10.9	10.3	9.9	11.1	18.2	16.5	8.0	6.3	5.9	6.3	5.8	5.3	1.4	3.5	6.1	6.3	5.7	8.5	18.2	1.4
4	4.2	4.9	3.5	2.5	2.7	1.9	1.8	2.1	1.1	0.9	1.3	0.7	1.6	7.5	4.6	2.8	3.7	7.4	8.0	8.6	12.0	12.3	9.3	15.2	5.0	15.2	0.7
5	16.0	8.6	7.7	7.1	2.5	2.9	2.8	0.7	6.3	ZS	13.2	8.5	9.5	12.6	14.5	11.9	8.3	6.2	4.6	7.6	8.3	7.0	11.9	9.8	8.2	16.0	0.7
6	5.9	13.2	6.2	10.1	10.6	11.9	1.3	20.9	9.3	18.2	12.6	11.9	17.3	30.8	IM	17.4	10.4	4.6	4.0	5.1	8.3	1.6	2.0	4.0	10.3	30.8	1.3
7	5.7	8.4	5.1	3.0	2.1	2.6	5.3	6.0	6.7	4.9	2.8	2.9	1.3	2.0	16.5	15.3	10.9	9.7	8.7	10.1	6.2	1.4	0.6	0.7	5.8	16.5	0.6
8	0.3	1.6	1.9	1.9	1.4	2.7	2.3	2.5	2.9	1.5	1.3	1.3	1.2	2.0	1.2	1.6	1.4	1.2	1.0	1.6	0.7	0.9	1.7	1.5	1.6	2.9	0.3
9	0.2	3.0	0.5	0.1	0.2	0.4	0.6	1.2	0.9	1.5	0.7	0.0	1.3	2.7	2.0	4.3	6.1	6.6	8.4	8.9	7.6	5.0	4.6	3.8	2.9	8.9	0.0
10	2.2	2.2	2.2	2.6	1.9	2.5	2.4	3.5	1.5	0.9	1.6	0.7	1.5	4.1	2.3	3.2	3.4	1.8	3.5	4.3	5.1	4.7	7.8	8.3	3.1	8.3	0.7
11	4.7	4.1	3.0	1.9	1.8	1.1	1.0	2.5	0.7	0.1	0.3	0.8	1.9	1.4	ZS	1.5	1.6	1.6	1.8	1.5	6.1	8.4	5.5	6.4	2.6	8.4	0.1
12	6.4	5.1	6.0	6.6	4.8	4.9	5.3	IM	8.0	5.6	1.6	3.9	9.3	16.0	10.5	9.0	9.0	9.3	9.2	CA	CA	CA	CA	7.4	16.0	1.6	
13	8.8	10.5	8.9	8.4	7.5	10.2	9.1	9.4	15.1	13.9	13.2	14.7	13.8	12.6	19.6	19.8	14.8	14.3	12.9	11.9	10.7	10.8	12.1	11.9	12.3	19.8	7.5
14	8.9	9.8	7.4	8.0	6.0	6.1	9.1	7.1	7.9	6.9	5.6	5.2	6.8	12.0	20.5	16.1	13.2	13.4	13.3	12.9	14.2	12.8	10.1	8.0	10.0	20.5	5.2
15	6.6	6.5	5.1	3.7	5.4	5.8	7.0	8.9	11.2	12.6	13.5	12.6	14.9	19.9	16.2	15.0	13.1	15.2	17.1	17.1	CA	CA	7.4	6.0	11.0	19.9	3.7
16	3.4	1.7	2.9	1.5	1.1	0.9	2.0	3.3	2.4	1.1	1.2	1.6	0.4	0.5	2.2	CA	CA	3.5	2.8	0.6	0.8	1.4	1.2	CA	1.7	3.5	0.4
17	CA	CA	CA	CA	CA	6.9	11.7	10.5	6.4	10.4	6.5	1.1	0.8	0.1	0.9	1.0	1.2	2.3	3.6	5.7	7.8	7.9	7.9	9.0	5.3	11.7	0.1
18	10.6	11.2	8.1	8.5	5.5	2.7	2.3	4.4	4.2	2.6	2.7	2.6	1.7	2.4	1.9	2.7	2.8	1.1	0.5	2.3	1.4	2.8	2.2	1.8	3.7	11.2	0.5
19	0.7	0.3	2.3	6.2	2.0	5.8	21.8	16.6	9.8	8.6	10.5	14.3	24.5	16.1	6.4	13.3	7.2	11.6	15.3	20.0	15.6	4.6	1.5	0.5	9.8	24.5	0.3
20	0.0	0.1	1.6	2.1	2.4	3.5	3.7	2.9	2.4	9.0	0.7	1.5	2.0	16.7	28.1	42.8	46.9	40.0	40.7	40.7	16.7	18.9	17.9	20.6	15.1	46.9	0.0
21	25.6	24.1	22.5	29.6	27.7	31.9	28.4	17.4	15.3	14.7	15.1	17.5	20.8	33.6	23.3	10.6	3.9	4.6	10.7	13.8	26.8	23.6	28.7	28.1	20.8	33.6	3.9
22	26.9	10.2	12.1	5.0	5.9	5.2	ZS	23.4	24.2	20.3	15.4	19.5	23.4	31.0	37.5	24.6	21.4	22.4	24.7	23.5	15.1	8.1	4.9	4.2	17.8	37.5	4.2
23	3.3	3.5	2.6	0.3	2.4	2.5	3.6	2.5	2.3	2.6	2.7	2.8	2.5	3.5	4.8	4.3	3.9	2.6	2.3	2.7	26.9	1.6	0.9	2.3	3.7	26.9	0.3
24	2.9	2.3	2.2	2.7	1.7	2.8	1.8	1.4	1.4	0.3	0.1	1.0	2.1	4.4	6.2	6.8	8.0	8.4	9.5	9.6	16.8	21.1	23.0	12.9	6.2	23.0	0.1
25	11.7	21.7	16.3	17.6	11.8	13.1	16.0	16.0	13.3	12.2	12.5	11.0	11.8	14.4	13.4	13.2	12.5	14.0	19.8	22.8	13.9	14.5	14.4	16.9	14.8	22.8	11.0
26	14.8	16.8	13.9	13.1	13.8	21.7	26.6	29.4	26.7	19.6	15.0	14.7	18.5	29.7	20.6	2.8	13.9	14.0	10.0	3.9	0.0	7.9	9.6	6.5	15.1	29.7	0.0
27	6.4	5.6	2.4	0.6	IM	0.0	2.3	5.7	11.6	12.1	15.0	16.1	21.6	17.5	13.3	10.0	7.4	0.8	5.6	11.1	7.1	3.4	9.6	7.5	8.4	21.6	0.0
28	1.2	2.1	4.4	0.3	2.1	5.4	22.1	35.0	32.6	27.6	37.1	37.2	44.0	36.8	26.0	25.1	23.7	24.6	25.9	33.4	41.2	51.4	55.7	46.3	26.7	55.7	0.3
29	30.7	21.7	20.4	18.0	18.2	12.0	20.7	35.0	32.0	36.2	30.7	44.6	59.0	33.2	24.7	21.4	17.4	14.0	23.0	CA	CA	CA	CA	27.0	59.0	12.0	
30	CA	21.7	13.5	13.1	11.5	11.4	18.4	30.6	47.3	42.5	44.4	40.1	45.2	44.1	41.1	22.1	11.2	14.7	25.5	16.5	16.5	26.3	23.0	26.1	26.4	47.3	11.2
Average	8.2	8.7	7.5	7.1	6.6	6.9	9.1	11.6	11.1	10.7	10.0	10.4	12.8	14.7	14.3	13.2	11.6	10.6	12.0	11.8	12.2	10.9	11.1	10.3			
Maximum	30.7	24.1	22.5	29.6	27.7	31.9	28.4	35.0	47.3	42.5	44.4	44.6	59.0	44.1	41.1	42.8	46.9	40.0	40.7	40.7	41.2	51.4	55.7	46.3			
Minimum	0.0	0.1	0.5	0.1	0.2	0.0	0.6	0.7	0.7	0.1	0.0	0.4	0.1	0.9	1.0	1.2	0.8	0.5	0.6	0.0	0.9	0.6	0.5				

## Quality Control Codes

Auto Zero, Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

## Data Report - Level 1.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR Services Corporation

Parameter: Wind Speed

Units: Meters per Second (m/s)

Month: September

Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min	
1	2.4	2.3	2.9	2.9	2.7	3.3	3.6	3.0	2.6	2.4	2.5	1.0	0.5	1.1	2.0	2.8	3.0	3.4	3.4	2.7	0.5	2.7	2.0	2.2	2.4	3.6	0.5	
2	1.8	1.7	1.6	1.9	1.9	2.0	1.6	1.4	1.8	2.1	2.7	2.1	1.7	0.8	1.6	3.1	3.8	3.5	3.5	3.0	2.1	0.4	0.5	2.1	2.0	3.8	0.4	
3	2.1	1.6	0.6	1.4	2.0	1.0	0.4	0.8	1.6	0.3	0.6	1.7	2.7	3.3	3.0	3.5	3.9	4.1	3.7	3.2	2.6	1.6	1.5	2.2	2.0	4.1	0.3	
4	2.0	2.2	2.7	2.8	3.0	3.2	3.7	3.7	3.6	3.6	3.0	2.3	0.4	2.0	2.4	4.2	3.5	3.8	3.8	3.5	2.4	1.5	0.8	0.2	2.7	4.2	0.2	
5	0.2	1.1	2.3	2.4	2.8	2.6	2.5	2.7	3.0	3.5	2.8	0.2	0.9	2.2	2.5	2.5	3.4	3.6	3.6	3.0	2.6	2.2	0.9	0.1	2.2	3.6	0.1	
6	0.2	0.8	1.7	1.1	0.5	0.8	0.4	1.0	2.3	2.5	2.0	0.3	1.3	3.1	4.0	3.8	3.8	4.0	3.5	3.1	2.7	1.8	0.6	1.4	2.0	4.0	0.2	
7	2.2	2.5	2.8	3.0	2.4	2.6	2.8	3.6	3.8	3.8	3.6	2.8	0.1	1.4	2.1	2.9	3.1	3.5	2.9	2.6	1.1	2.9	2.1	2.7	2.6	3.8	0.1	
8	3.2	3.5	3.7	3.5	2.9	3.7	3.6	3.9	4.3	4.3	4.5	4.5	4.0	3.9	4.2	4.1	3.4	3.1	3.5	3.5	2.7	1.9	0.6	0.7	3.4	4.5	0.6	
9	1.6	1.2	0.3	0.7	0.7	0.7	1.0	0.4	0.8	0.1	1.2	0.9	0.5	1.2	1.9	1.9	2.1	2.7	1.8	0.7	2.8	3.1	2.9	3.2	1.4	3.2	0.1	
10	3.1	3.0	2.7	2.8	2.8	2.2	1.8	2.2	2.8	2.2	1.0	1.5	1.5	1.8	2.1	2.7	3.7	3.8	2.7	1.8	0.9	1.2	0.4	0.5	2.1	3.8	0.4	
11	1.5	2.1	2.5	2.5	2.4	1.9	2.1	1.9	2.5	2.0	0.2	2.2	2.0	2.2	2.1	2.7	3.1	3.1	3.4	2.9	2.5	2.0	1.8	1.2	2.2	3.4	0.2	
12	0.3	0.2	1.0	2.0	2.0	2.0	1.8	1.2	1.9	2.0	0.6	1.3	2.0	2.8	3.1	3.0	3.3	3.7	3.2	3.3	2.7	2.6	2.2	1.8	2.1	3.7	0.2	
13	0.7	0.6	0.3	0.1	0.3	1.0	0.5	0.2	0.1	0.1	0.8	0.6	0.3	1.4	2.0	2.8	2.8	3.2	3.6	3.0	2.5	2.0	1.5	1.1	1.3	3.6	0.1	
14	0.5	0.8	0.2	0.2	0.7	1.0	0.3	0.3	0.8	2.2	2.3	2.4	0.7	1.5	3.0	3.4	4.0	3.7	3.0	2.8	3.2	2.8	3.1	2.0	1.9	4.0	0.2	
15	1.7	0.7	0.6	0.3	0.6	1.1	0.5	0.9	0.9	0.4	0.4	0.8	1.8	2.3	2.6	2.8	3.6	3.5	3.1	2.6	1.0	2.2	1.7	1.7	1.6	3.6	0.3	
16	2.0	2.4	2.8	3.2	2.9	2.5	2.5	2.7	3.4	3.9	4.2	3.8	2.5	0.6	1.8	3.0	4.5	4.5	3.2	3.1	2.8	2.3	2.2	1.2	2.8	4.5	0.6	
17	1.4	1.2	0.9	1.4	1.2	1.1	0.8	0.8	1.0	1.8	2.2	2.9	3.3	3.2	3.3	4.1	3.9	4.5	3.7	2.8	2.6	2.3	1.4	0.1	2.2	4.5	0.1	
18	0.1	0.5	0.5	0.8	0.6	1.4	0.5	1.2	2.1	1.6	1.3	2.2	2.4	2.5	3.6	3.2	3.4	3.5	3.4	2.5	2.3	2.0	1.2	0.8	1.8	3.6	0.1	
19	0.4	1.2	0.0	0.3	0.1	0.5	0.3	1.0	1.3	0.1	0.8	2.3	2.6	2.9	3.0	3.0	2.9	2.7	2.8	1.7	1.9	1.3	2.6	2.5	1.6	3.0	0.0	
20	3.1	3.4	3.6	3.7	4.0	3.1	2.7	3.2	3.4	3.0	2.2	0.3	0.5	0.1	1.8	1.5	1.9	1.6	1.1	0.6	2.2	0.5	0.2	0.1	2.0	4.0	0.1	
21	0.3	0.3	0.5	0.8	0.5	0.1	0.5	0.2	0.5	1.5	1.2	1.0	1.9	2.4	3.5	3.4	3.3	3.3	2.5	0.7	0.2	0.1	0.2	0.0	1.2	3.5	0.0	
22	0.7	0.1	0.1	0.3	0.2	1.1	0.5	0.3	0.9	0.3	0.7	1.6	1.7	2.5	3.0	2.9	2.8	2.9	2.4	3.1	2.8	2.0	0.5	0.2	1.4	3.1	0.1	
23	0.1	0.6	0.8	1.0	0.8	0.5	2.4	2.5	3.1	3.3	2.2	0.4	2.6	3	3.3	2.3	3.1	3.3	3.2	2.5	1.8	0.6	0.1	1.2	1.9	3.4	0.1	
24	1.1	1.0	1.7	1.6	1.7	1.1	0.6	1.0	1.3	0.2	2.0	2.2	2.8	2.7	2.5	2.7	2.1	3.4	2.9	1.9	0.9	0.6	0.1	0.1	1.6	3.4	0.1	
25	1.0	2.7	1.5	1.7	0.8	1.4	1.5	1.4	0.5	1.4	2.0	1.5	1.6	1.9	1.6	2.0	2.3	1.9	0.4	1.6	1.8	1.8	1.9	1.6	2.7	0.4		
26	0.9	1.3	2.6	0.9	0.3	0.2	2.2	1.8	1.6	1.4	1.1	0.8	1.6	2.5	3.6	3.2	3.6	3.3	2.8	2.4	1.5	0.4	1.4	1.7	1.8	3.6	0.2	
27	1.0	1.7	1.6	1.4	1.5	0.5	1.2	0.9	2.4	2.1	1.8	2.3	2.4	3.1	3.2	3.5	3.5	4.0	3.1	2.3	2.2	2.0	1.9	1.4	2.1	4.0	0.5	
28	2.0	1.6	1.6	0.8	0.2	0.3	0.0	0.5	1.1	0.1	1.3	2.6	3.3	3.3	3.6	3.9	2.3	2.8	1.9	0.9	0.2	0.2	0.0	0.0	1.4	3.9	0.0	
29	0.2	1.1	1.2	0.2	0.8	3.2	1.0	0.1	0.2	0.9	2.0	2.4	2.6	2.7	2.9	2.7	3.0	2.3	2.0	1.6	1.7	0.3	0.2	0.2	1.5	3.2	0.1	
30	0.4	1.6	1.9	2.3	2.4	1.8	2.4	0.4	0.5	0.8	0.8	1.1	1.8	3.0	3.4	2.8	3.1	2.6	2.4	2.7	1.4	0.2	0.2	1.2	1.7	3.4	0.2	
31	0.8	1.0	1.3	1.4	1.4	1.2	1.2	1.3	1.5	1.3	0.7	0.5	1.2	1.9	2.4	2.7	3.0	3.1	2.7	2.0	1.3	0.5	0.2	0.5	1.5	3.1	0.2	
Average	1.3	1.5	1.6	1.6	1.5	1.6	1.5	1.5	1.9	1.8	1.7	1.7	1.8	2.2	2.8	3.0	3.2	3.3	2.9	2.3	1.9	1.6	1.2	1.2				
Maximum	3.2	3.5	3.7	3.7	4.0	3.7	3.7	3.9	4.3	4.3	4.5	4.5	4.0	3.9	4.2	4.2	4.5	4.5	3.8	3.5	3.2	3.1	3.1	3.2				
Minimum	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	1.6	1.5	1.9	1.6	1.1	0.4	0.2	0.1	0.0	0.0	0.0			

Quality Control Codes

Auto Zero, Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

## Data Report - Level 1.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR

PCR Services Corporation

Parameter: Wind Direction

Units: Degrees True

Month: September

Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min			
1	123	119	118	119	125	134	139	126	123	118	126	121	220	283	284	299	296	299	293	290	220	140	128	132	182	299	118			
2	136	123	124	118	118	136	132	135	135	138	131	117	143	160	286	294	298	296	296	301	300	269	156	137	187	301	117			
3	134	111	96	124	110	114	135	138	145	222	298	278	286	298	295	296	296	294	291	297	291	297	147	136	214	298	96			
4	143	117	113	116	121	111	108	111	114	117	126	127	239	290	288	298	300	293	297	298	287	277	274	302	203	302	108			
5	119	129	133	121	124	119	117	121	122	127	125	173	281	290	290	295	292	290	292	290	289	291	280	317	209	317	117			
6	142	140	129	119	110	126	125	119	118	126	124	216	269	293	287	295	290	297	291	290	295	290	283	135	204	297	110			
7	142	127	124	127	140	132	121	120	120	128	131	139	163	277	287	294	298	296	299	291	153	136	125	114	178	299	114			
8	111	109	112	110	113	112	111	112	113	115	116	114	110	111	111	130	126	121	115	114	122	130	151	126	117	151	109			
9	129	144	150	149	122	146	133	99	149	235	291	277	272	276	283	286	291	295	287	152	124	118	117	113	193	295	99			
10	116	115	115	125	127	131	128	126	128	129	145	292	283	286	278	290	293	297	284	272	282	301	271	143	207	301	115			
11	128	132	127	122	122	114	120	124	143	133	125	281	289	284	284	291	293	284	297	302	305	304	292	278	216	305	114			
12	270	116	127	126	125	119	117	134	123	122	132	281	284	291	296	291	295	294	296	293	289	297	307	292	222	307	116			
13	278	269	282	264	268	294	270	283	338	224	281	248	276	279	287	295	290	295	293	296	292	291	300	297	283	338	224			
14	261	292	243	92	145	166	99	232	158	147	132	140	278	279	290	295	299	298	295	299	297	304	302	235	304	92				
15	291	281	259	277	307	288	231	289	271	306	290	275	285	289	290	295	296	302	294	295	274	145	133	129	266	307	129			
16	132	113	117	114	114	119	115	113	131	125	125	126	142	265	282	296	299	300	297	303	303	303	293	275	200	303	113			
17	279	278	281	281	286	299	283	287	278	290	294	293	296	293	290	298	300	299	297	298	293	288	293	326	292	326	278			
18	285	286	83	120	98	118	142	101	114	124	287	288	294	291	297	297	296	298	298	287	295	294	285	283	232	298	83			
19	287	285	217	115	277	304	316	118	122	173	283	289	292	288	291	297	295	298	302	289	286	135	138	127	243	316	115			
20	125	125	126	125	127	133	118	126	134	123	119	124	169	282	296	286	295	292	292	113	133	149	122	150	170	296	113			
21	290	347	150	142	130	350	300	292	112	138	137	277	288	287	298	304	300	300	293	287	295	17	177	314	243	350	17			
22	286	262	228	263	312	287	287	299	284	295	276	290	287	294	295	294	296	298	299	300	297	290	278	276	286	312	228			
23	196	148	147	127	104	125	129	118	137	138	129	235	294	296	299	284	299	301	300	298	289	281	101	133	205	301	101			
24	124	118	123	116	120	127	133	125	131	180	288	289	293	292	292	294	278	298	301	296	276	305	262	131	216	305	116			
25	129	127	108	100	102	133	127	132	131	144	287	292	296	288	291	292	292	297	307	201	139	126	131	131	192	307	100			
26	133	128	124	112	125	132	130	123	126	138	148	164	291	292	297	297	300	298	297	298	285	281	131	137	199	300	112			
27	115	128	125	125	114	149	291	292	296	290	286	292	294	298	295	298	302	304	303	284	290	295	292	276	251	304	114			
28	287	286	287	290	330	121	267	126	133	213	290	298	301	301	296	299	292	304	299	287	355	304	357	0	264	357	0			
29	109	118	106	121	110	125	138	306	276	287	287	283	285	291	301	290	294	299	296	289	296	325	161	125	230	325	106			
30	105	118	106	113	117	103	104	158	290	284	281	283	284	288	299	293	287	294	298	284	286	117	265	294	223	299	103			
31	135	126	122	121	121	125	124	122	129	131	143	6	257	4	283	8	290	292	294	295	297	296	293	287	275	224	140	205	297	121
Average	179	172	152	145	154	161	164	165	176	201	231	260	278	285	289	289	291	290	274	265	238	219	196							
Maximum	291	347	287	290	330	350	316	306	338	306	298	301	301	301	304	302	304	307	303	355	325	357	326							
Minimum	105	109	83	92	98	103	99	99	112	115	116	114	110	111	111	130	126	121	115	113	122	17	101	0						

Quality Control Codes

Auto Zero, Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

## Data Report - Level 1.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR Services Corporation

Parameter: Ambient Temperature

Units: Degrees Celcius (oC)

Month: September

Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min	
1	15.1	14.6	14.0	13.4	12.6	12.5	12.3	12.5	13.4	15.7	19.0	22.7	26.1	27.9	29.3	29.4	28.6	27.4	25.2	22.2	20.0	17.0	15.9	15.2	19.3	29.4	12.3	
2	14.5	13.8	13.4	13.1	13.5	13.4	13.4	13.5	13.9	14.5	16.5	19.6	23.1	26.6	28.9	28.6	26.7	25.3	23.5	21.2	19.5	18.3	17.2	15.5	18.7	28.9	13.1	
3	14.4	13.7	13.5	12.9	12.4	12.3	12.0	12.7	13.7	16.9	19.2	21.1	23.3	24.4	25.4	25.4	24.7	23.3	21.6	19.9	17.8	16.5	14.8	13.6	17.7	25.4	12.0	
4	12.9	13.0	12.8	12.5	12.7	13.0	12.9	12.9	13.1	14.2	16.4	19.4	23.1	25.1	26.0	25.2	24.3	23.5	22.5	20.5	18.6	17.3	16.4	15.7	17.7	26.0	12.5	
5	14.5	13.7	12.8	12.5	12.2	11.9	11.3	12.2	14.5	17.3	20.2	23.9	25.9	26.9	27.9	28.2	27.8	26.8	25.5	23.3	21.2	19.8	18.6	17.5	19.4	28.2	11.3	
6	16.2	15.0	14.2	13.6	13.0	12.3	11.7	13.0	14.8	18.1	21.0	24.4	26.1	26.6	26.3	25.2	24.8	23.1	20.8	18.8	16.9	15.8	14.8	13.7	18.3	26.6	11.7	
7	12.7	12.0	11.6	11.6	11.6	11.6	11.7	11.9	12.2	13.1	15.3	18.2	21.9	23.9	24.5	24.1	23.3	22.0	20.6	18.5	16.3	14.3	13.6	13.7	16.3	24.5	11.6	
8	13.6	13.2	13.1	13.1	13.5	13.9	14.1	14.4	15.1	16.1	17.0	17.9	19.0	19.8	20.6	20.8	20.6	19.0	17.3	16.4	15.8	15.3	15.0	16.5	20.8	13.1		
9	15.0	15.3	15.8	16.0	16.0	16.0	15.9	16.2	16.7	17.5	17.5	18.5	19.8	21.1	22.1	22.4	22.1	22.0	20.9	18.9	16.6	15.5	15.3	14.8	17.8	22.4	14.8	
10	14.2	13.8	13.4	12.5	11.7	11.5	11.6	12.0	13.4	15.5	17.7	18.9	20.2	21.5	22.3	22.6	22.1	21.1	20.1	17.9	16.7	16.0	14.8	13.5	16.5	22.6	11.5	
11	12.7	12.0	11.4	11.1	10.8	11.0	11.2	11.1	13.0	15.1	17.5	18.8	19.9	21.1	21.9	22.1	21.6	20.1	18.6	17.2	16.4	15.8	15.1	14.4	15.8	22.1	10.8	
12	13.5	12.6	11.7	10.9	10.6	10.2	10.1	9.6	12.3	14.7	17.6	19.0	20.2	21.1	21.1	21.2	20.7	20.0	19.0	16.8	15.3	14.4	13.8	13.6	15.4	21.2	9.6	
13	13.4	13.3	13.0	13.0	13.2	13.1	12.9	12.8	13.0	13.4	14.5	16.6	18.9	20.5	21.4	21.3	20.9	20.3	18.6	16.3	14.7	13.9	13.5	13.3	15.7	21.4	12.8	
14	13.3	13.3	13.2	13.2	13.2	13.1	12.9	12.7	13.4	14.2	15.2	16.8	19.5	20.9	21.7	21.3	20.4	19.0	17.6	16.1	15.1	14.2	14.1	13.9	15.8	21.7	12.7	
15	13.9	13.9	13.7	13.6	13.5	13.5	13.3	13.4	14.0	15.4	17.1	18.9	20.5	22.0	22.7	23.3	23.0	21.8	20.0	18.1	16.4	14.4	13.5	12.5	16.8	23.3	12.5	
16	12.4	13.3	13.1	12.9	12.9	12.9	13.0	13.2	14.2	15.3	16.8	19.1	21.5	23.3	23.8	22.1	20.3	19.1	17.9	17.2	17.1	17.1	16.9	16.6	23.8	12.4		
17	16.8	16.2	16.1	16.2	15.4	15.1	14.5	14.4	15.8	16.6	18.0	19.2	20.4	21.6	21.7	21.3	20.8	19.5	17.8	16.3	15.1	14.2	13.8	12.9	17.1	21.7	12.9	
18	12.4	13.2	12.6	11.6	10.8	10.2	9.7	10.2	11.7	14.8	18.4	20.1	22.0	24.0	25.3	26.1	25.5	25.0	23.3	20.8	19.1	17.6	16.5	15.6	17.4	26.1	9.7	
19	14.8	14.3	13.7	13.0	12.0	12.1	12.3	12.9	15.2	19.9	22.6	24.1	25.7	27.3	29.2	29.8	30.2	29.7	28.4	26.3	24.0	21.0	18.6	17.5	20.6	30.2	12.0	
20	16.6	15.6	14.7	13.6	12.7	12.0	11.6	11.4	12.4	13.7	17.0	21.2	22.2	23.3	23.0	22.0	20.8	19.1	18.8	18.2	16.8	16.3	15.3	14.8	16.8	23.3	11.4	
21	14.6	14.7	14.5	14.6	14.8	15.1	15.1	15.1	15.3	16.2	19.0	21.4	23.1	25.0	25.9	26.3	26.1	25.8	24.7	22.8	20.5	18.9	17.8	16.2	19.3	26.3	14.5	
22	15.8	15.0	14.0	13.5	13.1	13.2	13.7	13.8	14.2	16.4	19.3	22.1	24.7	26.3	27.0	26.5	26.7	25.5	24.0	20.7	17.9	16.2	15.1	14.5	18.7	27.0	13.1	
23	13.8	12.9	12.2	11.5	11.0	11.1	10.8	10.6	10.8	12.6	15.0	18.6	20.7	22	22.0	22.5	22.2	21.0	19.4	17.5	16.3	14.8	12.9	11.9	15.6	22.5	10.6	
24	11.4	11.1	10.5	10.6	10.0	9.8	8.9	9.1	11.5	15.6	17.8	20.2	21.9	23.2	23.9	24.5	24.6	23.2	21.2	19.7	18.3	16.7	14.9	13.2	16.3	24.6	8.9	
25	12.3	12.4	12.1	11.2	11.3	9.5	9.1	9.6	12.9	17.6	19.9	22.1	24.0	24.9	26.0	26.4	26.6	26.2	25.1	23.1	19.5	17.2	15.9	15.5	17.9	26.6	9.1	
26	15.1	15.1	15.0	15.0	14.7	14.0	13.0	12.6	13.8	16.6	20.0	22.9	24.7	26.2	25.9	24.8	24.0	22.8	21.5	19.5	18.0	16.8	15.5	14.3	18.4	26.2	12.6	
27	13.6	13.7	13.6	13.8	13.9	14.3	14.8	15.0	15.1	15.6	17.0	18.8	20.7	22.6	23.8	24.9	25.2	24.2	22.9	21.0	19.4	18.2	17.3	16.3	18.2	25.2	13.6	
28	15.5	14.9	14.3	13.9	13.4	12.8	12.2	12.3	14.7	18.9	21.5	24.1	26.4	27.9	29.3	31.1	31.1	30.4	29.1	26.2	23.5	20.7	19.4	17.6	20.9	31.1	12.2	
29	16.7	16.7	16.9	14.9	14.9	14.3	16.0	15.8	14.8	16.9	19.4	21.6	24.1	26.6	29.2	30.9	31.9	32.3	31.9	30.0	27.0	24.3	22.1	19.7	18.1	22.2	32.3	14.3
30	17.5	17.6	17.8	17.5	17.8	17.3	17.0	15.9	17.8	20.5	22.9	25.7	28.4	30.3	30.7	31.1	31.3	31.0	29.0	24.2	22.0	20.3	18.7	18.2	22.5	31.3	15.9	
31	8.1	7.5	7.1	7.1	6.5	6.0	6.7	8.6	11.7	14.4	CA	CA	CA	21.8	22.7	23.3	23.5	22.9	20.5	17.8	16.0	13.9	12.6	11.9	13.8	23.5	6.0	
Average	14.1	13.8	13.4	13.0	12.7	12.6	12.4	12.6	13.9	16.0	18.2	20.5	22.6	24.1	24.9	25.1	24.7	23.7	22.2	20.1	18.3	16.8	15.7	14.9				
Maximum	17.5	17.6	17.8	17.5	17.8	17.3	17.0	16.2	17.8	20.5	22.9	25.7	28.4	30.3	30.9	31.9	32.3	31.9	30.0	27.0	24.3	22.1	19.7	18.2				
Minimum	8.1	7.5	7.1	7.1	6.5	6.0	6.7	8.6	10.8	12.6	14.5	16.6	18.9	19.8	20.6	20.6	20.4	19.0	17.6	16.1	14.7	13.9	12.6	11.9	13.8	23.5	6.0	

Quality Control Codes

Auto Zero, Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

## Data Report - Level 0.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR Services Corporation

Parameter: Relative Humidity

Units: Percent (%)

Month: September

Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min	
1	83	85	87	90	94	96	96	96	92	81	63	49	36	33	31	35	40	45	52	61	69	76	81	84	69	96	31	
2	88	90	92	94	95	95	95	94	92	90	81	67	53	39	32	36	45	50	56	64	69	75	78	80	73	95	32	
3	85	88	88	90	92	92	93	91	86	77	68	61	53	47	43	44	49	56	60	65	75	80	84	89	73	93	43	
4	92	94	94	95	96	95	93	92	89	83	73	60	46	37	35	44	47	46	44	50	62	69	70	74	70	96	35	
5	78	80	83	85	87	88	89	86	78	66	54	37	30	30	29	29	30	36	40	47	52	58	64	69	59	89	29	
6	74	77	80	82	85	87	88	82	78	64	53	43	38	38	41	46	46	51	58	65	73	79	82	85	66	88	38	
7	88	91	94	95	95	95	94	93	91	87	77	67	52	46	45	50	54	58	62	68	76	85	88	89	77	95	45	
8	89	91	92	92	89	85	84	83	82	77	73	69	65	63	60	59	58	58	64	72	76	78	81	82	76	92	58	
9	82	81	79	79	77	78	77	75	72	68	70	66	61	57	56	56	58	58	61	68	74	78	77	80	70	82	56	
10	82	81	82	85	87	88	87	86	78	68	57	49	47	44	43	44	48	46	48	61	67	69	70	75	66	88	43	
11	78	84	86	89	92	92	92	91	85	75	60	53	48	44	41	43	45	53	57	66	73	75	80	82	70	92	41	
12	86	88	90	91	90	90	90	91	81	76	61	53	49	48	50	52	56	59	62	70	76	81	85	85	73	91	48	
13	86	86	87	87	85	84	83	84	83	80	75	67	55	49	48	50	55	58	65	71	77	80	83	85	73	87	48	
14	85	85	85	85	84	82	82	81	79	75	71	64	53	50	48	53	58	63	67	73	79	82	83	84	73	85	48	
15	84	84	84	83	83	82	82	81	79	73	66	58	49	44	42	40	43	53	63	71	77	82	86	89	70	89	40	
16	90	88	89	90	87	85	85	83	81	78	74	66	58	49	42	39	46	56	66	73	78	79	80	82	73	90	39	
17	83	85	87	86	90	91	92	90	81	75	66	55	48	41	48	46	49	56	63	71	77	82	85	87	72	92	41	
18	89	86	87	90	92	90	90	90	87	84	75	59	53	48	41	32	30	31	31	37	53	59	62	68	72	65	92	30
19	77	80	84	87	90	90	88	88	81	58	45	38	34	28	21	23	23	26	28	32	38	49	58	62	55	90	21	
20	65	71	74	82	87	92	94	96	92	85	70	51	48	46	51	63	72	80	83	85	77	79	86	88	76	96	46	
21	93	94	93	90	90	92	92	91	89	86	71	62	54	45	39	30	30	28	35	39	50	56	60	68	66	94	28	
22	80	87	90	91	93	92	90	91	90	80	67	55	46	41	42	42	41	45	50	61	72	77	80	81	70	93	41	
23	84	85	88	90	91	92	93	96	96	87	75	58	45	43	40	35	32	38	43	48	54	61	69	75	67	96	32	
24	85	86	84	82	82	84	87	86	76	63	50	39	33	29	26	26	31	32	35	41	48	57	63	56	87	26		
25	64	63	66	69	66	73	74	70	58	45	35	26	24	23	21	21	21	23	29	50	60	67	69	47	74	21		
26	72	72	73	71	70	75	78	81	78	65	50	40	36	33	39	42	46	47	53	59	65	71	73	79	61	81	33	
27	84	85	86	85	85	82	80	79	78	76	71	64	58	52	47	43	41	43	48	57	62	67	72	77	68	86	41	
28	82	86	87	88	90	92	93	93	86	67	55	44	38	33	29	24	24	25	26	32	42	52	57	65	59	93	24	
29	66	60	57	67	68	58	63	72	67	58	51	45	38	30	25	23	21	22	27	35	43	50	57	61	49	72	21	
30	61	56	55	55	52	54	55	61	58	51	45	37	32	27	28	24	22	21	26	39	45	51	56	66	45	66	21	
31	89	89	88	87	89	90	86	77	69	57	45	29	28	27	26	27	31	38	48	57	66	74	77	61	90	26		
Average	81	82	84	85	86	86	85	81	72	62	53	45	41	39	39	41	45	50	57	64	70	74	78					
Maximum	93	94	94	95	96	96	96	96	90	81	69	65	63	60	63	72	80	83	85	79	85	88	89					
Minimum	61	56	55	55	52	54	55	61	58	45	35	26	24	23	21	21	21	23	29	38	48	56	61					

Quality Control Codes

Auto Zero, Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

## Data Report - Level 1.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR

PCR Services Corporation

Parameter: Shelter Temperature

Units: Degrees Celcius (oC)

Month: September

Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min
1	23.6	23.7	23.8	23.8	24.0	23.9	24.0	24.0	23.9	23.7	23.6	23.5	23.6	23.8	24.1	24.3	24.5	24.6	24.6	24.5	24.1	23.8	23.7	23.6	23.9	24.6	23.5
2	23.6	23.7	23.8	23.9	23.9	23.9	23.8	23.8	23.8	23.7	23.6	23.5	23.5	23.7	23.9	24.1	24.3	24.4	24.4	24.2	24.0	23.7	23.6	23.6	23.9	24.4	23.5
3	23.6	23.8	23.8	23.9	24.0	24.1	24.0	24.1	23.9	23.7	23.6	23.6	23.8	24.0	24.1	24.1	24.1	24.1	24.1	23.9	23.7	23.6	23.6	23.6	24.1	23.6	
4	23.7	23.9	23.9	23.9	24.0	24.0	23.9	23.9	23.9	23.8	23.6	23.6	23.5	23.5	23.7	23.8	23.9	24.0	24.0	23.9	23.7	23.6	23.6	23.6	23.8	24.0	23.5
5	23.6	23.8	23.9	24.0	24.1	24.1	24.2	24.2	23.9	24.2	25.0	24.7	24.3	24.3	24.3	24.2	24.2	24.2	24.1	24.0	23.8	23.6	23.5	23.5	23.8	24.3	23.5
6	23.5	23.7	23.7	23.8	23.8	24.0	24.0	24.0	23.8	23.6	23.5	23.6	23.7	24.0	24.2	24.3	24.3	24.2	24.2	24.0	23.8	23.6	23.5	23.5	23.8	24.3	23.5
7	23.6	23.8	23.9	24.1	24.1	24.2	24.1	24.1	24.0	23.9	23.7	23.5	23.5	23.5	23.7	23.8	23.9	23.9	23.8	23.7	23.6	23.5	23.5	23.6	23.8	24.2	23.5
8	23.7	23.8	23.8	23.9	23.9	23.9	23.8	23.8	23.8	23.6	23.5	23.5	23.5	23.5	23.6	23.6	23.6	23.5	23.5	23.5	23.5	23.5	23.5	23.6	23.9	23.5	
9	23.6	23.7	23.7	23.7	23.7	23.7	23.7	23.6	23.6	23.5	23.5	23.5	23.4	23.5	23.6	23.7	23.7	23.7	23.6	23.6	23.5	23.5	23.5	23.6	23.7	23.4	
10	23.6	23.8	23.8	23.9	23.9	24.0	24.0	24.0	23.8	23.6	23.5	23.5	23.6	23.6	23.6	23.6	23.6	23.6	23.5	23.5	23.5	23.5	23.5	23.6	23.7	24.0	23.5
11	23.7	23.9	24.1	24.1	24.1	24.0	23.8	23.8	23.8	23.6	23.5	23.5	23.5	24.2	25.4	24.8	24.1	23.8	23.6	23.6	23.6	23.6	23.6	23.7	23.9	25.4	23.5
12	23.7	23.9	24.1	24.2	24.1	23.9	23.8	23.7	23.7	23.8	23.6	23.5	23.6	23.6	23.6	23.6	23.6	23.5	23.5	24.0	24.6	24.8	24.8	23.9	24.8	23.5	
13	24.7	24.3	24.0	24.0	23.9	23.9	23.8	23.9	24.0	23.9	23.7	23.6	23.5	23.5	23.6	23.6	23.6	23.5	23.5	23.5	23.6	23.7	23.7	23.8	24.7	23.5	
14	23.7	23.9	23.9	23.9	23.9	23.9	23.8	23.9	23.9	23.7	23.6	23.5	23.5	23.5	23.6	23.6	23.6	23.6	23.6	23.5	23.5	23.6	23.7	23.7	23.9	23.5	
15	23.7	23.8	23.8	23.9	23.9	23.9	23.8	23.8	23.7	23.7	23.5	23.5	23.6	23.7	23.7	23.7	23.7	23.7	23.6	23.6	24.3	24.9	24.7	24.1	23.9	24.9	23.5
16	23.9	24.0	24.0	24.0	24.0	24.0	24.0	24.0	23.9	23.8	23.6	23.6	23.6	23.6	23.7	24.2	25.9	26.5	25.5	24.5	24.0	23.8	23.7	23.6	24.1	26.5	23.6
17	24.4	24.9	25.2	25.5	25.6	25.4	24.5	24.0	23.8	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.5	23.5	23.5	23.6	23.6	23.7	23.7	24.0	25.6	23.5	
18	23.9	24.0	24.0	24.0	24.0	23.9	23.8	23.7	23.8	23.9	23.6	23.5	23.5	23.6	23.6	23.6	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.7	24.0	23.5	
19	23.6	23.8	23.8	24.0	24.1	24.2	24.3	24.1	24.0	23.8	23.6	23.6	23.7	23.9	24.0	24.2	24.3	24.3	24.1	23.8	23.6	23.6	23.5	23.9	24.3	23.5	
20	23.5	23.7	23.7	23.8	23.9	23.9	24.0	24.0	24.1	23.9	23.6	23.5	23.5	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.7	24.1	23.5	
21	23.7	23.9	23.8	23.9	23.9	23.8	23.7	23.7	23.7	23.6	23.5	23.5	23.6	23.9	24.1	24.1	24.0	23.9	23.8	23.7	23.6	23.5	23.5	23.7	24.1	23.5	
22	23.6	23.7	23.8	23.9	24.0	24.0	23.9	23.6	23.7	23.7	23.6	23.6	23.7	24.0	24.2	24.4	24.4	24.4	24.2	24.0	23.8	23.6	23.5	23.6	23.9	24.4	23.5
23	23.6	23.8	23.9	24.0	24.1	24.0	24.0	24.0	24.0	24.1	23.8	23.5	23.5	23.5	24	23.6	23.5	23.5	23.4	23.4	23.4	23.5	23.6	23.7	24.1	23.4	
24	23.9	24.2	24.3	24.3	24.2	24.1	23.8	23.5	23.4	23.6	23.6	23.5	23.4	23.4	23.5	23.5	23.5	23.5	23.5	23.4	23.4	23.5	23.5	23.7	24.3	23.4	
25	23.8	24.1	24.2	24.2	24.2	24.0	23.8	23.5	23.4	23.6	23.5	23.4	23.5	23.6	23.7	23.7	23.7	23.6	23.5	23.4	23.4	23.5	23.7	24.2	23.4		
26	23.5	23.7	23.7	23.8	23.9	23.8	23.9	23.9	23.7	23.7	23.5	23.5	23.5	23.7	23.9	24.0	24.0	23.9	23.8	23.6	23.5	23.5	23.7	24.0	23.5		
27	23.6	23.8	23.8	23.9	23.9	23.8	23.8	23.7	23.7	23.5	23.5	23.5	23.6	23.6	23.7	23.8	23.8	23.8	23.6	23.5	23.5	23.5	23.5	23.7	23.9	23.5	
28	23.5	23.7	23.8	23.9	23.9	23.9	24.1	24.1	24.0	23.8	23.5	23.6	23.8	24.0	24.2	24.4	24.7	24.7	24.6	24.2	23.9	23.6	23.5	23.5	24.0	24.7	23.5
29	23.5	23.7	23.7	23.8	23.8	23.9	23.9	23.8	23.8	23.6	23.4	23.5	23.7	24.0	24.3	24.7	25.1	25.3	25.2	25.3	26.6	27.0	26.7	26.3	24.5	27.0	23.4
30	26.0	25.4	24.5	24.1	23.9	23.7	23.7	23.6	23.5	23.4	23.5	23.8	24.2	24.7	25.1	25.3	25.4	25.2	24.7	24.1	23.7	23.6	23.5	24.3	26.0	23.4	
31	22.6	22.3	21.9	21.4	20.9	20.3	19.6	19.4	21.1	24.2	26.0	24.8	24.2	23.8	23.2	22.8	22.7	22.6	22.5	22.6	22.7	22.8	23.0	22.5	26.0	19.4	
Average	23.8	23.9	23.9	23.9	23.9	23.8	23.7	23.7	23.8	23.7	23.6	23.6	23.7	23.8	24.0	24.0	24.0	24.0	23.9	23.8	23.8	23.7	23.7	23.7	23.7	23.7	
Maximum	26.0	25.4	25.2	25.5	25.6	25.4	24.5	24.2	24.1	24.2	26.0	24.8	24.3	24.3	24.7	25.4	25.9	26.5	25.5	25.3	26.6	27.0	26.7	26.3			
Minimum	22.6	22.3	21.9	21.4	20.9	20.3	19.6	19.4	21.1	23.5	23.4	23.4	23.4	23.5	23.2	22.8	22.7	22.6	22.5	22.6	22.7	22.8	23.0	22.5	26.0	19.4	

Quality Control Codes

Auto Zero, Span Check	AS
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Instrument Malfunction	IM
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Out of Range	OR
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